

**State of Missouri
Department of Natural Resources
Air Pollution Control Program**

INSTRUCTIONS FOR APPLICATION

GENERAL AIR QUALITY OPERATING PERMIT

PERCHLOROETHYLENE DRY CLEANING INSTALLATION

-- BASIC STATE --

INTRODUCTION

Dry cleaning installations which use less than 1,800 or 2,100 gallons per year of perchloroethylene (PCE), depending upon the type of equipment present at the installation, and which contain no emission units or activities other than dry cleaning units, boilers with a heat input of 10 million British thermal units per hour or less and those units exempt from permitting requirements under 10 CSR 10-6.065 have the opportunity to obtain a basic state general operating permit. In order to use the basic state general permit, an installation must first determine if it meets the permit criteria.

The General Permit package is based upon the geographic location of the dry cleaning installations. There are eight different perchloroethylene (PCE) dry cleaning general permit packages for the non-major sources. If you qualify for this general permit, request the general permit package which is specific to the location of your installation.

| General Permit Type | Location of Installation (Specific Counties) |
|-------------------------------|---|
| Outstate Missouri | All areas not specifically listed below |
| St. Louis Metropolitan Area | St. Charles, Jefferson, and Franklin Counties (not including St. Louis City and County) |
| City of St. Louis | City of St. Louis |
| St. Louis County | St. Louis County |
| Kansas City Metropolitan Area | Clay, Cass, Buchanan, Ray, Jackson, and Platte Counties (not including the City of Kansas City) |
| City of Kansas City | City of Kansas City |
| Springfield – Greene County | Greene County (not including the City of Springfield) |
| City of Springfield | City of Springfield |

Source Classification

Each source is classified according to the amount of perchloroethylene (PCE) solvent purchased in the preceding twelve (12) months, the type of dry cleaning unit and whether construction or reconstruction of the source began before or after December 9, 1991 by EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 63 Subpart M, *National Perchloroethylene (PCE) Air Emission Standards for Dry Cleaning Facilities*.

The first step in determining your classification is to calculate the total amount of perchloroethylene (PCE) purchased over the last twelve (12) months. The next step requires using the chart below to determine the source category that applies to your installation based on the total amount of perchloroethylene (PCE) purchased and the type of equipment used.

Dry cleaning installations classified as “Major Source” (see chart below) do not qualify for the Basic State General Permit and must apply for a Part 70 (Title V) air operating permit.

Small Area Source – based on PCE purchased over the preceding 12 month period

| <u>Facilities with</u> | <u>Amount of PCE Purchased</u> |
|---|--------------------------------|
| Dry-to-dry machine only | Less than 140 gallons |
| Combination of transfer and dry-to-dry machines | Less than 140 gallons |
| Transfer machine(s) only | Less than 200 gallons |

LargeArea Source – based on PCE purchased over the preceding 12 month period

| <u>Facilities with</u> | <u>Amount of PCE Purchased</u> |
|---|--------------------------------|
| Dry-to-dry machine only | 140 – 2100 gallons |
| Combination of transfer and dry-to-dry machines | 140 – 1800 gallons |
| Transfer machine(s) only | 200 – 1800 gallons |

Major Source – based on PCE purchased over the preceding 12 month period

| <u>Facilities with</u> | <u>Amount of PCE Purchased</u> |
|---|--------------------------------|
| Dry-to-dry machine only | 2100 + gallons |
| Combination of transfer and dry-to-dry machines | 1800 + gallons |
| Transfer machine(s) only | 1800 + gallons |

Note: Transfer machine(s) means any system where washing and drying are performed in different machines. This may be a washer and dryer, washer and reclaimer, or dry-to-dry machine and reclaimer. Dry-to-dry machines are considered a transfer machine if clothes are transferred to different machine(s).

Under no circumstances are new transfer machines installed after September 22, 1993 allowed to operate.

Once the source category is established, the next step is to determine if your installation is a new or existing. If construction or reconstruction of your installation began:

On or after Dec. 9, 1991, then it is a New Source

Before Dec. 9, 1991, it is an Existing Source

Note: Reconstruction means any component of the dry cleaning system is replaced (including equipment) and the fixed capital cost of the new components exceeds fifty percent (50%) of the fixed capital cost that would be required to construct a new comparable source.

At this point you should know your installation’s source classification or category.

Application Submittal

All Permit/Applications must meet the following requirements:

1. Submit one copy of a completed general operating permit application. (This includes Sections I-III)
2. Submit \$100.00 application fee.
3. All signatures must be signed in ink.
4. When required, provide a completed Emission Inventory Questionnaire (EIQ).

Permit Applications are incomplete unless all information requested is supplied. Failure to supply any additional information requested by the permitting authority may result in the denial of the Permit/Application.

If you need assistance or have further questions, Contact:

- Mo. Dept. of Natural Resources
Air Pollution Control Program
Operating Permit Unit
P.O. Box 176
Jefferson City, MO 65102-0176
Telephone: (573) 751-4817
Fax: (573) 751-2706
- Mo. Dept. of Natural Resources
Regional Offices
- Technical Assistance Program (TAP)
Telephone: (800) 361-4827
- The appropriate local agency

Completed applications must be mailed to the above address (do not fax application). However, if the installation for which you are submitting an operating permit application is located in the cities of Kansas City, Springfield or St. Louis, or the county of St. Louis, you will submit your operating permit application to the respective local agency.

Local Agency Addresses:

Kansas City

Kansas City Health Dept.
Air Quality Section
2400 Troost Avenue, Suite 3000
Kansas City, MO 64108
Telephone: (816) 983-4301
Fax: (816) 983-4475

St. Louis County

St. Louis County Dept. Of Health
Air, Land & Water Branch
Air Pollution Control section
111 South Meramec
Clayton, MO 63105
Telephone: (314) 854-6923
Fax: (314) 854-6951

Springfield-Greene County

Air Pollution Control Authority
227 East Chestnut Expressway
Springfield, MO 65802
Telephone: (417) 864-1662
Fax: (417) 864-1499

City of St. Louis

Air Pollution Control
1415 North 13th Street
St. Louis, MO 63106-4424
Telephone: (314) 664-7877
Fax: (314) 664-7933

Section I - GENERAL INFORMATION

Eligibility Determination: Dry cleaning installations which use less than 1,800 or 2,100 gallons per year (gal/yr) of perchloroethylene, depending on the type of equipment present at the installation, and which contain no emission units other than dry cleaning units and those units exempt from permitting under Missouri State Rule 10 CSR 10-6.065(3)(D) and (E), *Exempt Installation and Emission Units*, qualify for a basic state operating permit.

1. No installation which contains a non-exempt emission unit, other than a unit described in Missouri State Rule, 10 CSR 10-6.065(3)(D) and (E), *Exempt Installations and Emission Units*, shall be eligible for this general permit. No Installation is eligible to use more than one general permit.
2. The perchloroethylene dry cleaner general permit does not address and therefore cannot be used if the installation has:
 - a. Emission units or activities, in combination with other units and activities at the installation, would cause the installation to emit or have the potential to emit:
 - (1) 100 tons per year or more of carbon monoxide, nitrogen oxides, particulate matter less than ten microns, sulfur dioxide or volatile organic compounds;
 - (2) 10 tons per year or more of any hazardous air pollutant; or
 - (3) 25 tons per year or more of any combination of hazardous air pollutants.
 - b. Boilers larger than 10 million British thermal Units (BTUs) per hour (3,930 mechanical horsepower (hp), 299 boiler hp).
 - c. New transfer machines installed after September 22, 1993

If you still qualify for a Perchloroethylene dry cleaner general permit, proceed by filling out the following sections.

- A. Enter the general plant information for the installation.

Geographic location information (Section, Township, Range) can be obtained from your property title or by contacting the county assessor's office in the area of your installation.

- B. Parent Company – Complete this subsection if your company is owned totally or in part by another company.

- C. Application Type – Check initial if this is a first-time operating permit application. Check others as they apply.

- D. Installation Information

1. Provide the information for all steam and hot water generating units on-site.
2. Enter the total amount, in gallons, of perchloroethylene (PCE) purchased during the preceding twelve (12) months. If this amount represents a period of less than twelve months, indicate the actual time period used to determine solvent purchases and the reason for this discrepancy (e.g., new store). New

owners should attempt to obtain solvent purchase records from the previous owner.

3. For each machine located at the installation, select the appropriate machine type and subheading corresponding to the type of air pollution control device installed on the machine (e.g., dry-to-dry unit (1) w/ ref. condenser). Enter its identification (e.g., #1) in column 1. Enter the date the machine was initially purchased from the manufacturer in column 2 in the dd-mon-yy format. If you do not know the exact date of purchase, but can confirm it was prior to December 9, 1991, enter 08-DEC-91. If control equipment has been installed on that machine, enter the date of installation in column 3. If control equipment is required, but has not yet been installed, indicate with an "X" in 1(b). If no control devices are required to be installed, indicate this with an "X" in 1(c). Up to three machines of each type and control configuration may be entered across this table. Complete the table for all machines located at the installation. If more than three machines are located on-site, submit additional copies of this page of the form as needed to characterize all equipment.
4. Using the amount entered in No. 2 above, enter the installation's classification (e.g., existing small area source). The classification is based on the definitions found in the introduction part of these instructions.

Section II - COMPLIANCE STATEMENT

The wording in the Compliance Statement is self-explanatory.

Section III – APPLICANT’S CERTIFICATION STATEMENT

A responsible official must sign the document certification. The responsible company official is required to certify to the truth, accuracy, and completeness of the document. The certification must state that:

“Based on information formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.”

The definition of responsible company official means, for most facilities, that the certification statement must be made by the plant manager or a more senior corporate official. In fact, at some locations, the plant manager can only make the certification if delegation of authority to the plant manager is approved in advance by the permitting authority. Eligible parties to make the certification include:

- a corporate officer
- a person in charge of a principal business function (e.g., a general manager), or
- a person in charge of a principal business function (e.g., a general manager), or
- a plant manager, provided that the plant has at least 250 employees or \$25 million in sales or expenditures (in 1980 dollars) or authority has been delegated.

Knowingly falsifying any document, representation, or certification is a felony under the Clean Air Act; therefore, responsible company officials must take care in preparing the certification, and must ask the proper questions to ensure the accuracy and completeness of the document.

Section IV - GENERAL PERMIT

Your permit application is part of your general permit. When submitting your application please include the general permit with your application.

You need to comply with the general requirements and conditions, and specific requirements for the equipment at your installation that are stated in Section IV for the next five (5) years from the date of the issuance of the permit. Please read your general permit and keep the required record keeping, monitoring and reporting information listed for your installation.